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# Challenges bring opportunity, Anastasio says

By Don Johnston  
NEWSLINE STAFF WRITER

Director Michael Anastasio provided employees with an up beat presentation on a broad range of “opportunities and challenges” the Laboratory faces in an all-hands address Monday afternoon.

Anastasio covered three basic themes during his address in the Bldg. 123 auditorium: senior management’s offsite earlier this year and his “A” list (see page 5); updates on Laboratory issues and the UC contract. On the first day of the February offsite, senior managers concentrated on the opportunities available to the Laboratory, Anastasio said. “Our national security programs are at a crucial juncture and we have the opportunity to help shape their outcomes.”

Senior managers discussed how the stockpile stewardship program could retain confidence in the nation’s aging nuclear



BOB HIRSCHFELD/NEWSLINE

Michael Anastasio

See **UPDATE**, page 5

# Safeguards and Security receives high marks for performance from DOE

The Department of Energy’s Office of Safeguards and Security Evaluations (OA-10) and the Office of Cyber Security and Special Reviews (OA-20) conducted a special security review at Livermore. The assessment included Protective Force management, the lock and key control program, security incident reporting, and classified cyber security.

See **SECURITY**, page 3

# Employee comment sought on new A&S salary ranges

Proposed salary structures for the Administrative & Specialist (A&S) Restructuring are now available for employee comment.

The fiscal year 2004 ranges can be viewed at <http://www-r.llnl.gov/ASR/salary.html>. The following matrices have also been updated: Budget/Finance; Administration Other; Coun-

See **RESTRUCTURING**, page 4

# Conference focuses on hydrogen and fuel cells as alternative energy

By Anne M. Stark  
NEWSLINE STAFF WRITER

Hydrogen is a viable alternative fuel to power automobiles, and eventually trucks, ships and planes. But realistically, even if the first hydrogen automobiles are mass produced by 2015, it will take until 2050 to complete the transition from oil as the nation’s major transportation fuel.

However, something has to happen in the energy field before then if Californians expect to have enough power to turn the lights on by the year 2009.

That was a theme running through the talks on Tuesday at the 42nd Annual Symposium of the Northern California American Institute of Chemical Engineers held in Berkeley. More than 100 people from academia, the national labs and private industry attended the confer-

ence with the theme “Hydrogen Economy and Fuel Cells.”

Keynote speaker Bob Therkelsen of the California Energy Commission said that the state is going to have to become more energy efficient to meet the demands placed on electricity, natural gas and other forms of fuel such as gasoline.

See **HYDROGEN**, page 8

# NPS speaker describes recipe for accurate weather forecasts

Professor Wendell Nuss of the Naval Postgraduate School’s Department of Meteorology on Wednesday spoke about experiments he conducted pertaining to “Mesoscale Meteorology and Predictability.”

In a series of experiments, Nuss ran computer models of four nests of meteorological data that spanned from the larger scale of 108 kilometers to

the smaller scale of 4 kilometers.

Though the larger scale models showed plenty of dispersion of climate, Nuss said his experiments proved that there is still less certainty to forecasts predicted at the smaller scale.

He said in order to get the most accurate forecast, it is necessary to find a middle ground between the larger scale and smaller scale fore-

See **NAVAL**, page 3

# Down to Earth Expo



JACQUELINE MCBRIDE/NEWSLINE

Lauralye Casipit of the Laboratory receives a Redwood sapling from a representative of the Alden Lane Nursery during Thursday’s Earth Expo at the Lab. The expo featured Lab energy conservation efforts and recycling programs as well as exhibits by outside vendors.



**DDLS features South African science**

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**Providing LINCS to new ordering system**

— Page 7



**‘Atoms for Peace’ cover story**

— Page 8





## LAB COMMUNITY NEWS

### Weekly Calendar

Technical Meeting Calendar, page 4

Tuesday  
**27**

A **Fidelity retirement counselor** will be available today and May 5 to assist with: assessing the current state of retirement accounts, learning how to plan asset allocation and diversify investments within retirement accounts, as well as identifying income strategies when planning retirement. Fidelity Mutual Funds are available to UC's workplace retirement plan participants in addition to the UC-managed investment pools. If you would like to set up a one-on-one consultation, call 800-642-7131. When calling be sure to specify that you are an LLNL employee.

Wednesday  
**28**

Today is the deadline to pre-order pork or chicken **tamales** for \$15 per dozen and \$8 per half dozen from Amigos Unidos. Pick-up will be during the Cinco de Mayo celebration on Wednesday, May 5, from 11:30 a.m. to 1 p.m. at the picnic/pool area. No deliveries or refunds are available. To order, contact Gloria Davalos, 3-1410, Rey Bocanegra, 3-5309, Xavier Cabrales, 2-7448, Michael T. Martin, 3-6580, Marian Barraza, 3-7063, Patricia Martinez, 3-2970, Mary Judkins, 4-4639, Susane Head, 2-5218, Jessica Barraza, 2-6750, Irene Ortega, 2-6350, Teresa Hauck, 2-8777, David Castro, 3-7556, or Marta Holm, 2-8870.

Friday  
**30**

The Benefits Office will continue the **brown-bag series** on how to enhance your financial security by participating in the Tax-Deferred 403(b). The next session will be held from 12:15 p.m. - 1:15 p.m. today in Bldg. 571, conference room 2301. Additional sessions will be held on the last working day of each month (excluding November and December) throughout 2004. Attendance is open and no pre-registration is required. Bring your lunch and your questions. For additional information about benefit services or events, see the Website at [www.llnl.gov/llnl/02employment/benefits/seminars.htm](http://www.llnl.gov/llnl/02employment/benefits/seminars.htm).

UP  
&  
COMING

Spring **Russian classes** start May 4 and limited space is available. Employees who travel to Russia or host Russian-speaking visitors may want to sign up for one of the beginning, (ED7802-Beg) intermediate (ED7802-Int.) or advanced-level (ED7802-Adv.) Russian courses. These courses will provide the foundation of the Russian language by focusing on grammar and conversation. The instructors use a combination of textbooks, workbooks, audiotapes and videotapes to teach skills needed to carry on conversations (or just ask for directions) with Russian-speakers. To register for the spring quarter, contact Marissa Mertes, 2-4842.

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**Beginning and intermediate sign language classes** begin May 3. For more information, contact Carol Sandoli, 3-4385.

### Expert on deafness to discuss deaf culture

The Worklife Programs Office presents Andrew Lange, president of the National Association of the Deaf, on Thursday, May 6, from noon to 1 p.m. in Bldg. 571, room 1301. His talk is titled "Everthing You Wanted to Know About Deaf People and were Afraid to Ask."

Do you wonder why 'Deaf' is capitalized and 'deafness' is not? Did you know that most Deaf people have hearing parents and hearing children? Did you know that less than 40 percent of speech is visible on the lips?

At times it may seem awkward to ask a Deaf person about, Deaf issues. Lange's talk offers a safe and welcoming environment in



Andrew Lange

which to learn about deaf culture.

As president of the National Association of the Deaf and an expert on deafness, Lange is a prolific speaker and presenter. There are three generations of deafness in Lange's family; all of his immediate family members are Deaf.

Lange has presented at numerous conferences and conventions in the United States. He is president of the Gallaudet University Alumni Association and chief operating officer of Hans on Video Relay and Sign Language Services in Rocklin, Calif.

### IN MEMORIAM

#### Anne Marie Johnson

Anne Marie Johnson, a resident of Livermore for 41 years, died March 21 of natural causes in San Francisco. She was 83.

Johnson was born Oct. 29, 1920, in Wisconsin and she moved to Livermore in 1963. In 1972, she joined the Lab's main Library, where she worked as a librarian for 18 years before retiring in 1990.

She is survived by her brother, Joseph Robins and his wife, Diana, of Texas; three grandchildren, Cory and Eric Johnson, of Chicago, and Kristen Stewart of Illinois; and numerous nieces and nephews. She was preceded in death by her husband, Arthur Johnson; her son, Allen Johnson; and her brother, James Robbins.

No services are scheduled. Wilson Family Funeral Chapel is handling the arrangements: 443-4500.

#### James W. Routh

James W. Routh, a longtime member of B Division, died Feb. 27. He was 83.

Routh's career at LLNL began in 1960 and ended as a Laboratory associate in 2000, a period that spanned most of the major milestones in the nuclear weapons program. Routh made important contributions to the development of a number of nuclear design concepts and was particularly active in pushing for more accurate numerical simulation tools and for improved understanding of the physics of nuclear design. He was an early proponent of extending B Program skills to non-proliferation activities and conventional weapons technology. Routh retired in 1986, but remained active as a Laboratory associate for most of his remaining years.

Born in Kent Wash. in 1920, Routh spent most of his youth living in Oregon. He spent two years at Marin Junior College before entering the Army in 1942 where he served in the medical corps and participated in the European campaign "following Patton across Europe." He was discharged in 1946 and returned to school at the University of Michigan where he majored in chemical engineering. He worked for Mason & Hanger Corporation from 1947 until joining the Laboratory in 1960. He became chief engineer at the Pantex Ordnance Plant, a role in which he had overall responsibility for process and design engineering, quality control, inspection and maintenance, and development support for LLNL and Sandia. The interaction with the nuclear design labs convinced him there were greater technical challenges to be found at those facilities.

Routh served as design group leader and then associate division leader for Advanced Nuclear Design and Special Projects. He served for several years as project manager for the LLNL Combustion Program. He also was instrumental in initiating conventional munitions work in collaboration with the Department of Defense, serving as group leader of the Non Nuclear Munitions Design Group.

Routh is survived by his wife Fran, daughter Roberta, son Russell, and five grandchildren.

#### Bruce Curtis life celebration

A celebration of the life of Bruce Curtis will be held from 3:30 p.m. to 5:30 p.m. Wednesday, April 28 at the Garre Winery in Livermore.

Curtis, 47, an award-winning CASC computer scientist and applications performance specialist, passed away at home in the company of his family on March 14.

Curtis is survived by his parents, by his lifetime partner and wife, Barbara Herron and by their beloved son Alex. Donations, if desired, may be made in Curtis' name to the American Cancer Society. For information, call Sue Wiebe, 3-9394.

### Newsline

Newsline is published weekly by the Internal Communications Department, Public Affairs Office, Lawrence Livermore National Laboratory (LLNL), for Laboratory employees and retirees.

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Web site: <http://www.llnl.gov/PAO/>

NEWS OF NOTE



DDLs speaker to highlight astronomy in South Africa

The next presentation in the Director’s Distinguished Lecturer Series features Khtoso Mokhele, president of the National Research Foundation, who will speak about “Astronomy In A Developing Economy — Advancing Science and Technology In The New South Africa,” at 3:30 p.m. Monday in the Bldg. 123 auditorium.

As president of the Foundation for Research Development (FRD), South Africa’s funding agency for research in science, engineering and technology, Mokhele is deeply committed to the

uplifting of disadvantaged communities in South Africa.

Born in 1955 in South Africa, Mokhele matriculated from a rural school and obtained a bachelors of science degree in agriculture. Then, on a Fulbright-Hays Scholarship, he studied at the UC Davis, earning a master’s of science in food science and a Ph.D. in microbiology in 1986. Subsequently, he was awarded postdoctoral fellowships and worked in the laboratory of Nobel



Prize-winner Dr. Hamilton O. Smith at Johns Hopkins University School of Medicine. Mokhele returned to South Africa in 1987 and held teaching and research positions before joining the FRD.

His talk will be rebroadcast on Lab TV channel 2 at 10 a.m., noon, 2, 4 and 8 p.m. on Thursday, May 6, and at 4 a.m., Friday, May 7.

For additional information, contact Mona Garcia, 2-5214, or Mary Callesen, 3-2810.

Health Services Department to undergo accreditation process

The Health Services Department will be the subject of a re-accreditation survey by the Accreditation Association for Ambulatory Health Care, Inc. (AAAHC). The survey will take place May 24-25.

The survey will be used to evaluate Health Services’ compliance with AAAHC standards for ambulatory health care and to determine if accreditation should be awarded to the department.

The ultimate purpose of the accreditation process is to improve the quality of care delivered by Health Services. Health Services has voluntarily requested the survey as a means of assisting the department’s own efforts to improve the delivery of quality health care.

For almost four decades, accreditation has been the highest form of public recognition a health care organization could receive for the quality of care it pro-

vides. The AAAHC is a non-profit accrediting body for ambulatory health care facilities. As of January 2000 there were 1100 accredited organizations. Accreditation may be awarded for either six months, one year or three years. The accreditation decision could be deferred or denied as well.

The certificate of accreditation is the most visible result of the process. The ultimate value of accreditation, however, lies in the ongoing self-analysis, peer review and consultation the center gains as it continues its participation in the program.

In the past, DOE Contractor Occupational Medicine programs had previously been reviewed by DOE Headquarters staff. DOE has chosen AAAHC accreditation as a way to assure consistent high quality standards of health care consistent with national

standards.

AAAHC has reviewed a number of DOE contractor occupational medicine programs. Sandia Albuquerque and Livermore and LANL have received three-year accreditations.

Laboratory employees and Health Services staff members who wish to share pertinent information may request a presentation with AAAHC surveyors, or may communicate in writing or by telephone to AAAHC. Requests for presentations must be made two weeks in advance to allow time for scheduling. Information may be submitted to the Accreditation Association for Ambulatory Health Care Inc., 3201 Old Glenview Road, suite 300, Wilmette, IL 60091, or call 847-853-6060, or fax 847-853-9028.

NAVAL

Continued from page 1

casts. He said the variation in different scale forecasts is due to the dynamics of the weather.

“Meteorologists would like to have a better handle on forecasts and eliminate the uncertainty,” he said.

Nuss’ talk was the second of a series of talks hosted by the Laboratory and the Naval Post Graduate School after a Memorandum of Understanding between the two organizations was signed on March 31. The first talk, presented by the Lab’s Dave McCallen, who spoke about “Test Readiness in Southern Nevada,” took place April 16 at the Naval Postgraduate School.

Upcoming presentations include: May 19, Professor James Russell discussing “Implementing the Nuclear Posture Review: The Middle East Redux?” and June 9, Professors Dave Netzer, Alex Bordetsky and Chris Manuel discussing “Self-forming, Self-healing WLANs for UAVs, UVGs and AUVs.”



JACQUELINE MCBRIDE/NEWSLINE

Professor Wendell Nuss of the Naval Postgraduate School’s Department of Meteorology describes weather forecasting computer models as part of a series of talks sponsored by the Lab and the Naval Postgraduate School in Monterey.

SECURITY

Continued from page 1

These reviews included data collection, performance testing of the Protective Force, systems and internal-vulnerability scanning, and penetration testing on specific classified cyber systems.

Both reviewing agencies, which are within the Office of Independent Oversight and Performance Assurance (OA), conducted the review from January through March.

According to Security’s Deputy Department Head Michele Bergman, formal ratings were assigned to both Cybersecurity and the Protective Force. “Both received an ‘Effective Performance,’ which is the highest rating OA assigns. OA also indicated that those programs areas not specifically rated were operating effectively,” Bergman said.

Similar reviews take place across the NNSA complex.

An Ergonomic Tip

blink  
breathe  
break

Try the 3B's

Every 20-30 minutes blink, breathe, break. This will help keep the eyes lubricated, send oxygen throughout the body's tissue, and prevent fatigue.

Advice to keep you safe.  
Visit the Ergonomics Website: <http://www.llnl.gov/ergo>





NEWS YOU CAN USE

Laboratory’s Administrative workshop: ‘Teaming for success’

The Director’s Office, Energy & Environment, and Laboratory Services directorates will host the Laboratory’s sixth annual administrative workshop for more than 200 employees from the 405 series classification on April 28 and 29 at the CarrAmerica Conference Center in Pleasanton. This year’s theme is “Teaming for success: at home, at work, at play.”

The one-day workshop will be offered on two consecutive days to provide employees the flexibility and opportunity to attend. The goal of the workshop is to improve communications between

directorates, provide information about LLNL’s mission and programs, and highlight the important role of the Laboratory’s non-exempt administrative support staff.

Featured speaker Deborah Ward will discuss “Teaming for Success.” Ward, an international consultant and Bay Area trainer, is no stranger to the Laboratory, having facilitated many LLNL organizational and employee development meetings. In addition, Karen Hughes of Livermore’s ‘The Purple Orchid Inn,’ will present a motivational talk, “Nourishing Your Total Self for Effective Performance Personally and Professionally.”

A panel discussion on “Life’s Balance” will feature LLNL senior managers, Janet Frame, Susan Houghton, Lori Turpin and Eileen Vergino.

Additional speakers include: Hal Graboske, acting deputy director for Science and Technology; Jan Tulk, AD for Administration and Human Resources; and Tammy Jernigan, principal deputy director for Physics and Advanced Technologies.

Directions to the CarrAmerica Conference Center can be found at <http://www.caconference.com/location.htm>.

RESTRUCTURING  
*Continued from page 1*

terintelligence; HR and Training — Other; and Technical Information Communications Supervisor.

More information on the A&S process, along with the salary structures, will be available today in a special edition of *NewsOnLine*.

Previous *Newsline* articles have outlined the A&S restructuring. The February article outlined the development of salary grade structures; including details about the surveys used

**Upcoming brown-bag sessions**

Employee brown bag sessions are scheduled in Bldg. 361 (BBRP), room 1140 as follows:

- Tuesday, April 27, 1:30 p.m.
- Wednesday, April 28, 9 a.m., 3 p.m.
- Thursday, April 29, 9 a.m., noon

and the advantages of having separate rather than one unified structure. The articles can be

reviewed at <http://www-r.llnl.gov/ASR/communications.html>

The employee comment period on the A&S FY04 salary ranges and the revised Budget/Finance Job Family Matrix will be open through Friday, April 30. Comments or questions may be sent to: <http://www-r.llnl.gov/ASR/comments.html>.

Management and Supervisory briefings on the A&S implementation processes are planned for the week of May 3. More information will be available through *Newsline* and *NewsOnLine*.

Technical Meeting Calendar

- Friday 23**

**INSTITUTE FOR GEOPHYSICS & PLANETARY PHYSICS**

“Characteristic Scales in Galaxy Formation,” by Avishai Dekel, Hebrew University of Jerusalem. Noon, Bldg. 319, room 205. Contact: Wil van Breugel, 2-7195, or Sharon Taberna, 3-6290.
- Monday 26**

**PHYSICS & ADVANCED TECHNOLOGIES/N DIVISION**

“Development of a Vertex Detector for STAR,” by Eugene Yamamoto, Lawrence Berkeley National Laboratory. 1:30 p.m., Bldg. 211, room 227, badge required. Contact: Ron Soltz, 3-2647, or Pat Smith, 2-0920.
- BIOSECURITY & NANOSCIENCES LABORATORY**

“Drug-DNA and Drug-Protein Binding by REDOR,” by Jacob Schaefer, Department of Chemistry, Washington University, St. Louis, Mo. 2 p.m., Bldg. 155, room 1101. Contact: Julie Herberg, 2-5900, or Josie Morgado, 2-7181.
- H DIVISION SEMINAR**

“Band Edge Optical Properties and Electroabsorption of GaInNAs (Sb) Quantum Wells at 1300-1600 nm,” by Vincenzo Lordi, Stanford University. 10:30 a.m., Bldg. 219, room 163 (controlled area). Contact: Choong-shik Yoo, 2-5848, or Darlene Klein, 4-2868.
- Tuesday 27**

**RADIATION DETECTION CENTER**

“RHESSI and Beyond: Astrophysics and Solar Physics with

- Germanium Detectors and RMC.” by David Smith, UC Santa Cruz. 11 a.m., Bldg. 151, room 1209 (uncleared area). Contact: Ron Wurtz, 3-8504, or Christie Shannon, 3-6683.
- Wednesday 28**

**CHEMISTRY & MATERIALS SCIENCE/MATERIALS SCIENCE & TECHNOLOGY DIVISION SEMINAR**

“Ion Beam Studies of Semiconductor Multilayers: Strains vs Defects,” by Anand P. Pathak, School of Physics, University of Hyderabad, India. 1:30 p.m., Bldg. 235, Gold Room. Coffee and cookies will be served at 1:20 p.m., Hosted by Eduardo Bringa. Contact: Tom Felter, 2-8012, or Rebecca Browning, 2-5500.
- Thursday 29**

**INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH**

“Institutional Software Quality Assurance Implementation Plan,” by Trish Damkroger, LLNL, Center for Applications Development & Software Engineering (CADSE). 10 a.m., Bldg. 451, room 1025 (property protection area). Contact: Trish Damkroger (CADSE) 4-3557, or Terri Mendoza, 2-3269.
- PHYSICS AND ADVANCED TECHNOLOGIES /N-DIVISION**

“Highly Resolution Photoelectron Spectroscopy at the Advanced Light Source,” by interviewee Sophie Canton, Lawrence Berkeley National Laboratory. 10:30 a.m., Bldg. 219, room 163. Contact: Stefanie B. Landes, 2-3201.
- Friday 30**

**PHYSICS & ADVANCED TECHNOLOGIES/N DIVISION**

“HBT Measurements in Relativistic Heavy-Ion Collisions,” by Akitomo

- Enokizono, Hiroshima University. 1:30 p.m., Bldg. 211, room 227, badge required. Contact: Ron Soltz, 3-2647, or Pat Smith, 2-0920.
- May 3**

**PHYSICS & ADVANCED TECHNOLOGIES/N DIVISION**

“BRAHMS Results from Mid-rapidity to y ~ 3 in Central Au+Au Collisions at sqrt(sNN) = 200 GeV,” by Jens Ivar Jorde, University of Bergen, Norway. 1:30 p.m., Bldg. 211, room 227, badge required. Contact: Ron Soltz, 3-2647, or Pat Smith, 2-0920.
- May 6**

**PHYSICS AND ADVANCED TECHNOLOGIES/N DIVISION**

“Exploration of Vibrational and Rotational Excitations in Rare Earth Nuclei,” by William David Kulp, III, Georgia Tech. 1:30 p.m., Bldg. 211, Room 227, badge required. Contact: Paul Garrett, 3-5848, or Pat Smith, 2-0920.
- May 7**

**INSTITUTE FOR GEOPHYSICS AND PLANETARY PHYSICS**

“What the Martian Meteorites are Trying to Tell us About Mars; a Historical Tragedy in More Than Two Dozen Fragments,” by Ralph Harvey, Case Western Reserve University. Noon, Bldg. 319, room 205. Contact: Wil van Breugel, 2-7195, or Sharon Taberna, 3-6290.

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**The deadline for the next Technical Meeting Calendar is noon, Wednesday.**

Send your input to [tmc-submit@llnl.gov](mailto:tmc-submit@llnl.gov). For information on electronic mail or the Technical Meeting Calendar list, see the auto registration service on the Web.

## UPDATE

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deterrent as the number of weapons in the arsenal comes down and pressure continues to reduce budgets, he said.

The National Ignition Facility, which achieved “early light” last year, is also in transition. “There are exciting opportunities as we think of NIF as a functioning facility and not a construction project,” Anastasio said.

The “experimental go-forward plan for NIF” was discussed “with the goal of ignition in 2010,” he said, adding NIF would provide experimental data vital to stockpile stewardship every year. All this while staying “within the envelope of the budget.”

“This is really an exciting and challenging time,” Anastasio said, noting some “dramatic changes” in homeland security. “We’re changing from planning and business development to a strategy of execution.

“It’s time to meet the commitments of the program and deliver on what we have to do,” he said.

In addition, Anastasio said National Nuclear Security Administration nonproliferation programs, notably NAI, are responding to the rapidly changing international security environment — “everything that’s going on in Iraq, Iran, Libya, and North Korea.”

Senior managers at the offsite also discussed “exciting new initiatives that we’ve embarked on,” he said. “In biology our new associate director for BBRP Elbert Branscomb and his team are pursuing with the DOE Office of Science the Genomes to Life Project.

“This is very exciting because it’s an opportunity to build a strong science base that underpins all the biological activities we have at the Laboratory, including our successful support of Homeland Security to counter threats of bioterrorism,” Anastasio said.

An “interesting opportunity” in the area of fusion has led the Laboratory, in concert with DOE’s Office of Science, to put in a bid to be the U.S. project office for the International Tokamak Experimental Reactor project, he said, noting the long history of fusion research at LLNL. “This is an opportunity for us to be the project office for the U.S. contribution to that international collaboration.”

### Over-arching importance of safety and security

The Laboratory faces a number of challenges in security, safety and business systems, which “are over-arching priorities” for the Lab, Anastasio said. “These are areas where we have to retain our vigilance and our focus all the time with all the scrutiny we get from the outside world.

“We’re also challenged to improve the flexibility and efficiency of the Laboratory,” he said, noting, “The amount of task-oriented funding continues to grow as a proportion of the total funds we receive. This is driven by the nature of our sponsors and Congress.”

Anastasio said he has a senior management team looking at these issues. “The goal is for us to make the Laboratory as effective as possible for everybody here as well as our sponsors on the outside.”

The opportunities and challenges discussed at the offsite “set the context” for the development of the A list Anastasio unveiled (see accompanying A list chart) during his talk.

“It’s worth noting that the University of California is very engaged with us in helping us carry out the themes in the A list,” he said, citing such examples as UC President Robert Dynes letter of support for NIF, UC Associate Vice President for Lab Programs John Birely’s work on stockpile stewardship and Associate Vice President for Laboratory Operations and Administration Bob Van Ness’ work to get outside advice on security issues.

Anastasio emphasized the “over-arching importance” of safety and security issues at the Laboratory. “Executing these things well is essential to everything we do. We have to integrate this into all our activities.”

### Security ‘best in class’

On the security front, the director had “excellent news” resulting from a recent DOE Office of



LAWRENCE LIVERMORE NATIONAL LABORATORY

- Enable continuing U.S. preeminence in nuclear weapons expertise by meeting our commitments and developing strategies for the future.
- Create technologies and operational capabilities to counter terrorism and proliferation of weapons of mass destruction (WMD).
- Deliver NIF and develop an integrated ignition/high-energy density (HED) experimental plan.
- Implement and evolve the S&T investment plan.
- Maintain effective financial, business and environmental operations.
- Deliver workforce initiatives and develop leaders for the future.
- Develop a strategy to enhance our efficiency, effectiveness and flexibility.
- Build on our leadership in supercomputing and ensure ASCI Purple is delivered on schedule.
- Execute our initiatives for DoD, Office of Science, Energy and Environmental programs.
- Expand cross-organizational partnerships.

Improve security  enhance safety  
as overarching priorities

Assessment review giving Lab security a “top rating across the board” — from locks and keys, “where we are now best in class in the complex,” to cybersecurity and performance testing by protective force officers. Anastasio noted UC Vice President Robert Foley was present for the late night force-on-force exercise and “praised everyone involved for their professionalism. This exemplary improvement is a credit to the dedication and hard work of our safeguards and security team through some really tough times.”

Anastasio jokingly apologized to other Lab directors for raising the standards for locks and keys security.

“With increased attention to security post-9/11 and the new design basis threat we’re held to meet, there’s going to be a need for continuous improvement and focus in this area. But, I’m confident the team we have can meet this challenge,” he added.

Turning to performance management, Anastasio said implementation of Integrated Performance and Pay Program (IPPP) was continuing and that salary ranges for all job families as part of the Administrative and Specialist (A&S) restructuring were announced at a special 400 meeting. Employees are to be informed of salary ranges by supervisors in the next few weeks.

“Let me remind everyone of what’s behind IPPP — our commitment to enhance the Laboratory’s pay and performance system,” he said. “We’re doing this to try to provide more consistency across the Lab, to enhance the transparency to employees and to enhance the accountability in the system.”

In the case of the A&S restructuring “we’re creating new job families that are tied closely with the outside job market.”

Addressing hiring restrictions in the last year due to budget uncertainties, Anastasio said that with senior leadership involvement, the Lab has put in place a whole new process where hiring is explicitly tied to the Lab budget process. “This allows us to identify where we need people and how many people we need. Each organization can do better planning and do it in a dynamic way as changes occur in the programs throughout the year... The key message here is that

where programs can afford it, we are hiring,” he said. “We’re getting some very high quality candidates and hires right now.”

This works in complement with workforce reviews, which serve to check the consistency of IPPP implementation and pay equity, workforce development and succession planning.

“One of the things to come out of the review this year is a commitment to augment the institutional component of our leadership development efforts that complement existing efforts in the directorates,” he said. “This is an important issue because if you look at the demographics across the Lab, we have an aging workforce.”

Noting that the senior leadership is no exception, Anastasio took the opportunity to thank Hal Graboske, acting deputy director for Science and Technology, Den Fisher, associate director for Safety and Environmental Protection, and CK Chou, associate director for Energy and Environment, for their “long and dedicated service” to the Laboratory. All three have announced they will retire by early summer.

Anastasio noted that Den Fisher had completed the Boston marathon shortly before Monday’s presentation.

Anastasio thanked those who work in the community, either through Lab programs or of their own initiative. “This is very important for the Laboratory,” he said, noting the success of the HOME campaign in raising \$1.6 million for local non-profits, the Lab’s role in supporting the Tri-Valley Science and Engineering Fair, the annual Community Day, and sponsorship of Engineering Day and the Science on Saturday lecture series.

### Staying focused on Laboratory missions

With regard to the budget, Anastasio said, “we’re on track and not much is expected to change until we get through the election season.”

Everything the director discussed in his update “we’ve been discussing in the context of the upcoming competition for the contract to manage the Laboratory.”

While DOE has announced a schedule for competing the site contracts “there is still no decision regarding the timing of competition for the contract to manage LLNL,” he said, adding that UC’s current contract to manage the Lab expires in September 2005. “DOE has the option to phase the competitions by extending it up to two years.”

Anastasio also talked about the recent visit of a National Academies committee, charged by NNSA with making recommendations on criteria for the request for proposals relating to the quality of science and technology at Livermore and Los Alamos national labs. (See the Friday, April 9 edition of *Newsline* for details of Anastasio’s presentation.) In addition, a committee from the UC Faculty Senate visited the Laboratory to help inform faculty at UC campuses as they prepare for an opinion survey on UC’s management of the national labs. Results of the survey will serve to guide Dynes and the UC Board of Regents in their decision to compete for contracts to manage the national labs.

“Overall, both groups felt their visits were quite successful,” Anastasio said. UC is “ramping up” its efforts and “proceeding as if they will compete and working closely with the labs,” he said, adding employees can obtain contract information and updates via a new UC contract Website.

Anastasio said the competing of the contract “is a formal process” that is governed by federal rules on procurement activities and that anyone at the Lab who is contacted by a third party regarding the contract should refer calls to Jim Lopez and media queries to Lynda Seaver in Public Affairs.

“The Lab leadership is very involved with contract issues, but at the same time there are some things we don’t have a direct influence on,” he said. “The most important things you can be doing is to keep your focus on your job and how each of us are contributing to the success of the Laboratory. It’s important to practice our values.”

Anastasio closed his talk by noting the Lab “has a good reputation. Credibility is hard to earn and easy to lose. Our credibility and this good reputation, a testament to all of our employees, provide the base to deal with the future, no matter how it unfolds.”





# CLASSIFIED ADS

See complete classified ad listings at  
<https://www-ais.llnl.gov/newsline/ads/>

## AUTOMOBILES

1983 - Mercedes turbo 300CD coupe, rare bird but in good condition. New tires and runs excellent. Destined to be collectors item. \$3500. 415-543-3643

1991 - Acura Legend, rosewood, 104K miles, good condition \$5,500 530-219-1931

1977 - Chevy Impala, light blue, 2-door, 350 engine, 48K original miles. One owner. \$2800. 209-838-2808

1987 - Cadillac DeVille. White/Blue Leather. Very Good condition. Nice. 190k. \$2500/BO 925-634-5954

1994 - BMW 325i Maroon w/ Leather interior 150 K miles \$7500 209-835-7127

1990 - Acura Integra GS, black, leather interior, well maintained, new tires/brakes. miles/150k \$2,700. 209-835-7127

1969 - Mustang convertible, original 302V8/3spd on floor, Deluxe Interior, new Magnum500 wheels/tires. 6500.00 or trade for boat 925-373-0483

1998 - Cadillac DeVille, fully loaded, leather interior, great condition. \$9000.00 925-373-1886

1963 - Ford Falcon Futura, 289 cubic, 4 speed, runs, needs some body and interior work. \$1500.00 209-321-9962

1997 - Beautiful El Dorado, excellent condition, CD, Bose sound system, all power, always kept up service. Low miles, fairly new tires. \$11,500 OBO 510-582-2938

1999 - Honda Civic LX, AT, 4-DR, Loaded, Excellent Condition! New Tires/Brakes, Recent 60K service. CD Stacker & Alarm. 70K miles. \$8,850. 209-869-6976

1971 - Black Porsche Targa - Needs alot of work. Great for someone who enjoys rebuilding cars. \$1900 Call 408-227-9267

1992 - Ford Taurus, 95K miles, clean and runs good. \$2500.00. 925-684-0134

1996 - Mazda Miata, M-Edition, 5-sp manual, AM/FM/CD, alloys, prem whls, cruise, lthr, 19.3K miles, always garaged, excellent condition. \$9,500.00 925-447-1126

## AUTOMOBILE ACCESSORIES

Seat, rear bench, folds into single bed, for full size van application, call for dimensions; \$100 aft 6pm please 209-832-2056

Used Ford F-150 2002 4inch ProComp lift kit all parts included cost \$900.00 will sell for \$250.00 OBO 925-515-5850

Thule Adventurer car top box, 16 CF, excellent condition, includes lock. \$165. 925-829-8683

## BICYCLES

Schwinn Joyrider Singlefile Trailer. Great condition. Only used a couple of times. \$100 OBO. 925-957-1330

## BOATS

35 HP electric start outboard Evinrude. Ancient but solid. Includes gas can. \$400 OBO 925-516-2570

1968 14ft Regatta with 100hp Mercury outboard and trailer. Has top and ski pole. Runs, needs work. \$1000.00 obo. 925-245-1725

12ft Klamath, 1997 Mariner 15hp, trailer, trolling motor & battery, paddles, anchor. \$2000obo. 925-784-2866

Canoe, 17 ft. We-no-nah. 4 paddles, 2 seat cushions, Minn-Kota Trolling motor, \$450. 925-634-2701

## CAMERAS

Slide Projector Kodak Ektagraphic AF-2 Autofocus, wireless and wired controls, 4-6inch f/3.5 lens, 6 slide trays, leather case. ex. cond. \$150. 925-606-7389

## ELECTRONIC EQUIPMENT

15inch LCD/Flat Panel monitor, KDS Rad-5.

Like new, sleek small footprint, 17inch CRT view area. - \$215 415-543-3643

Turntable, Technics direct drive. Top quality when new. Ex. cond. \$75 925-606-7389

Sony 27XBR25 TV. New in 92, Perfect cond. + the deal includes a Sony 13in. cable ready color TV w/remote. Before 9pm please. 925-376-1595

Motor, Leeson 1/2 HP, 1725 RPM, 120/240V, 56 frame, 5/8 shaft. \$20. 925-455-5655

Playstation 2 CDs. Grand Theft Auto III, 4 baseball, 2 basketball & 1 college football \$20 ea, 2 for \$35, all 8 for \$125. 209-825-4465

HP Net Server 550 Xeon with two removable SCSI hard drives \$1500/obo 209-765-1841

FireWire PCI cards - \$12, USB PCI cards - \$10. 925-455-4484

Technics Direct Drive Cassette tape deck. Top quality when new. \$75 925-606-7389

Ampeg SS-140 Stereo Amplifier, 140 watts, 2 channels w/seperate EQs, 2x12 speakers, FX loop, power amp out/in stereo. \$300 925-625-5522

## GIVEAWAY

Small shop vac, no hoses. Works. Propane tank, new style with quick-release fitting. Almost full. 925-455-5655

Recliner chair, tan with swivel base, good condition. Firewood: cut lumber. Muriatic acid for pools, Small leftover siding pieces. 925-443-1231

FREE Queen-sized waterbed with walnut frame, good condition incl. heater, thermostat & liner. (Mattress not included.) 510-610-7630

## HOUSEHOLD

Queen bedroom set (headboard and frame, 9 drawer dresser, large mirror, nightstand), oak, good condition. Will deliver locally! \$400 OBO. 925-456-8723

Refridgerator: Large, White, FrostFree, Freezer on top. Exc. condition. \$200 OBO U-haul from Discovery Bay 925-516-2570

Moving: queen bedroom set \$500, sectional couch \$350, two end tables \$35 each, Baldwin spinet piano \$1300, will negotiate. 925-455-1486

ANTIQUE mahogany end tables, 1920s era. Good condition \$275/pair (quoted worth \$500/pair by local antique store). 925-443-2114

MILLENNIUM COLLECTION 6-pc. Crib Bedding Set -Includes: Quilt, Bumper, Fitted-Sheet, DustRuffle, DiaperStacker, Valance +Musical Mobile & Lamp \$75/OBO 925-518-5660

Great dishwasher has to go for remodeling purposes. Works fantastic - yours for only \$50.00! (White Whirlpool) 925-373-9224

Brand new sofa, blue denim cloth, 6ft, tags still on, \$350/OBO 925-337-0080

Wood Rocking chair, very good condition \$35. Brand new First Alert fire escape ladder \$30 925-443-1231

LIKE NEW! Formal queen anne earth tone stripped sofa with dark wood frame w/pil-lows, two burgandy queen anne wing back chairs - \$500.00 for all. 209-544-1207

Kenmore gas dryer, re conditioned \$25.00 925-443-5565

DESK, 60in by 30in, wood base with matching laminate top, brown chair, both for \$30. BOOKCASE, tall, 3ft wide, teak finish, \$20. 925-449-8783

Mini-blinds, 2 sets 60x64 in., 1 set 48x64 in., and 1 med. weight 49 in. adj. window shade, new. All for \$20.00. 925-454-1526

Moving Sale! Living room, dining room, family room and bedroom furniture. All shown by appt only. 209-832-5944

Oak platform for king bed. Oak exterior & pressed wood platform, has 4 drawers for under bed storage, \$50 obo 209-833-3785

Little Tikes: table - \$20; basketball hoop - \$10; doll house with accessories - \$20. OUTBACK bike rack for car trunk - \$70. 925-833-2560

Washer and Dryer- used, in good condition.

Must sell, ASAP. No room to store. \$100 for both. 209-239-7870

Lane sofa and matching loveseat for sale. Sofa has reclining end chairs. Can provide pictures for quick view. \$400 for set. 209-483-8719

Leather sofa with hideabed wrap around type , 3 sections L- shaped, bought 2 years ago, doesnt fit in, \$3500 new, \$2000 obo x3-8565 925-447-8236

Krause custom side chairs (2) Scotchgarded. Like new, ivory flame stitch pattern. Paid \$650 each, asking \$600 for both. 925-947-1162

Cal. King Bdrm Set. 4 Poster head&foot brd; 6 dvr chest; dresser w/mirror; nightstand. Excellent condition, solid maple wood. \$600 for set. 925-449-8316

Mattress and box spring. Luxury, like new queen Simmons Beautyrest St. Gregory firm. Purchased Oct 2003 for \$1624; sell for \$850. 925-462-2197

21.6 Cu. Ft. Hotpoint side-by-side refrig in-door icemaker, Almond. 13 years old, \$250 GE dishwasher, 1991. \$100 Phone: 925-443-1412 925-443-1412

Sears electric dryer. White, 6 yrs old. Excellent condition. \$100. 925-640-9705

Huge multi-family Yard Sale, 427 El Camine-to, Livermore, Sat 4/24, 9am to 3pm 925-443-0642

Couch, loveseat, oak coffee table and end table. \$100 for all. 925-684-0134

Queen bed, large headboard, 2 nightstands, frame, box spring, water mattress, dark wood, \$150. 925-485-1988

Beyonce's new Dangerously in Love CD w/Star Spangled Banner CD. \$8. New. 925-648-0671. 925-648-0671

White patio furniture: 48-inch round glasstop table, 4 slingback chairs, chaise lounge with cushion and umbrella stand. \$75. 925-371-1607

White tubular metal sofabed frame. You add the futon. \$75 OBO 925-516-2570

Queensize Sealy Serta mattress/box spring \$300 nearly new: Sears California King mattress/box spring \$550 925-337-0080

## LOST & FOUND

Found prescription glasses w/ purple frame. In the B494 parking lot. 925-525-4233

## MISCELLANEOUS

Push mower with grass catcher. \$70. 925-600-1817.

Portable Hot Spot Spa 6 Ft diameter 4 jets 110 volts New Pump and Controls Has never been outside \$700 obo 925-829-5386

Firewood! Bought 1/4 cord but hardly used any! \$45 for all. You pick-up (Tracy). 209-814-6866

Antique Birds-Eye maple low dresser with mirror \$250, antique maple dressing table with mirror and seat \$250. 925-736-0603

Woodworking Tools. Shopsmith Model T10 w/jigsaw and Joiner Attachments. \$175. Wood lathe \$25. Band saw \$25. and Jig saw \$15. 925-462-0564

Madonna Tickets-June 6th, HP Pavilion. Section 216, Row 7. Great Seats. Asking face value: \$90.00 each 925-337-1694

## MOTORCYCLES

Black leather jacket, Hein Gericke, XXL, like new, hardly worn, snap in liner. \$450 new! \$150 obo. 408-712-1731

2002 - carson 5x8 motorcycle / utility trailer, ramp tailgate, 3500 lb axle, 15 inch wheels, 1 ft daimond plate sides and storage box, randy \$900.00 925-754-6390

2004 - Yamaha Silverado, 1100cc, 1500 mi., fully dressed, \$9999.00 cell ph 209-629-2487 209-239-6248

1983 - Yamaha - 750cc, good running cond. 26k mi, \$999.00 209-239-6248

1975 - Honda CB200T motorcycle, 2938 miles. Best offer. 925-447-0678

## MUSIC INSTRUMENTS

Ampeg SS-140W Stereo Guitar Amplifier 2x12 speakers, A&B channel switching, Pre-amp-out/power-amp in, XLR outputs, FX loop. \$325 925-625-5522

## PETS & SUPPLIES

GIVEAWAY - loveable 7 month old male Rottweiler named Dante, along with large dog house. Call for photo. 2-7369 or 925-980-3121

Queensland Heeler puppies - Approx. 5 weeks old. Adorable male & female free to good home. Call 925-292-0134

Black cat needs loving home. Male, neutered, 5 yrs., shots up to date, indoor/out-door, good mouser, best if only cat. 925-229-2240

Cat-male, declawed, orange tabby, (4 yrs). Needs home (have too many). Buff Tabby female (2yrs), loves cats/people. (neutered/spayed) Indoor only. 209-839-2266

Styrofoam incubator w/ heating thermostat. Small tabletop one used to try and hatch gecko eggs. Used once. \$20. Alex 925-275-8011

Horseback Riding: Lease my horse for \$25/day at great ranch in Livermore. Lessons available. Beginners to experienced riders welcome. 925-484-0697

## RECREATION EQUIPMENT

Soloflex, Like new. Rarely used. All accessories included. \$400 OBO 925-245-9616

SPA, 4-6 person, 110 volt, approx 6ft square, made by Hot Springs mfr., working great and is full of water for viewing; \$450 ,aft 6pm 209-832-2056

RV, 1981 Winnebago Chieftain, CI-A 26ft, 66K mi, 454-V8, Sleeps 7, completely self contained, great condition for age, original owner. \$7000. 925-829-4946

## RIDESHARING

Modesto - Available parking for LLNL car-pools & vapools at St. Dunstons Episcopal Church 3242 Carver Rd. About 3 miles from freeway. Contact Rev. Tony Morello. 209-529-8243, ext. 0-0000

Salida Blvd (Dennys off Pelandale) - Immediate opening in Daves Luxury vanpool, captain seats, reading lights cellphone 8-4:45 ridership-based fares 209-404-6680, ext. 3-3194

Modesto/Ripon - 14 Passenger van has openings available for full-time riders. 99-120-205 route. 8:00-4:30 schedule, can possibly accomodate 4:45. 209-544-6411, ext. 2-2727

Ceres/Turlock - Seeking new riders for a 9/80 work week as well as a relief driver. Hours 7:30am to 4:45pm. 209-572-2073, ext. 2-0638

MANTECA - 7:30 to 4:00 work hours. Daily drive rotation. Meet at Manteca Marketplace Chevron. Yosemite & Union. 209-823-5593, ext. 3-8539

PATTERSON - Vanpool has seats available for M-F 7:30-4:00 shift. Pre-tax transportation and Guaranteed Ride Home programs available. Fares based on ridership. 209-892-2118, ext. 2-9502

Ripon - Looking for carpool out of Ripon. Woking hours 7:00 - 3:30. 209-599-4793, ext. 3-9587

Orinda - Lamorinda carpool seeks 4th rider/driver. Lab hours 8am-4:45pm. Carpool meets near St. Stephens and Hwywy 24. 925-253-0498, ext. 2-9823

## SERVICES

Experienced Pet Sitter! Dogs, Cats, Fish, Birds, Reptiles. Call for LOW RATES! 925-455-0847

Computer training, computer repair, and assistance picking out the right machine for you all available at a very low price. 925-455-0847

Professional Sprinkler Repair. Spring is here, give us a call for any of your yard irrigation system needs. 925-443-6010

## SHARED HOUSING

Livermore - furnished room for rent. Clean/quiet. Pool. No pets/no smoking. \$550.00/month. Share utilities 1/3. Deposit. Mature adult. 925-449-1128

Livermore - Livermore room, utilities included, full privideges. No pets, non-smoker. \$550/mo. Mature adult only. 925-447-6218

Oakley - Furnished room for LLNL Female-Summer Student. Rent \$650 mo/\$300 dep. Includes utilities/kitchen/laundry privlidges, own bath. 20 miles to LLNL. 925-679-3002

Livermore - rm for rent, \$550/mo, \$300 dep, 1/3 util, private phone line, dig. cable ready, full privileges, 6 mi from Lab, avail now. Pls lv message 925-292-3356

## TRUCKS & TRAILERS

1998 - Toyota Short bed, 5 speed, A/C, CD changer, bed liner Spider snow chains, rear slider window, 69,000 miles, one owner. Good condition. \$6,200 OBO. 925-548-4809

1995 - LAYTON travel trailer. 25 ft. fully self-contained. A/C, micro., awning, stereo. Sleeps 6. Excellent cond. \$7950/obo. 209-368-7942

1997 - Chevy, white, 3 door, 4x4. Exclnt condition, 6inch lift, alpine CD w/amp. Super clean. 98,000mi. \$12,500 OBO. 925-575-0857

1976 - American Clipper 21 foot motor home, self contained on Dodge chassis \$4,000 obo 925-371-5576

1976 - Chevy Silverado C-20 P/U, 350 c.i., 28,000 miles, 400 Turbo Trans., 6 disc Pioneer CD, Factory A/C. Very Reliable Asking \$3500.00. 925-625-0906

## VACATION RENTALS

Cozy mountain cabin near Arnold. 4bedr, 2 bath, fully equipped kitchen, wood burning stove, lots of creeks, fishing, boating. 925-245-1114

Soooo cute beach cottage in Santa Cruz. 4blks from ocean. 2bedr, 2bath, spa, fully equipped kitchen. Near harbor. 925-245-1114

Pine Mountain Lake - Two bedroom town-house on golf course. Lake with beach. Near to Yosemite 408-268-7924

Maui - 1,2, & 3 bedroom oceanfront condos in Kihei, large pool, tennis, bbq, work-out room, shuffleboard. Fully equiped. Low LLNL rates. 925-846-8405

Mendocino Coast - - Ocean View - 4 br/4.5 bath, hottub, fireplace, sleeps 11, 7 miles north of Mendocino Village, 2 night min, discount for LLNL employees. 925-455-5942

Maui, HI - Kahana Reef oceanfront 1BR/1BA condominium. Beautiful two-island view, oceanside pool, and BBQs. LLNL rates for year-round reservations. 925-449-0761

TAHOE. - North Shore Condo for rent May 27 (aft)- May 29 (Morn). NICE! Studio, partial kitchen, sleeps four, right on the lake. \$95/ per night, 2 nt min. 925-443-5714

## WANTED

Wanted: 1 single speed bike. I will pay a fair price. 925-455-0847

Moving boxes of various sizes. Will pick up. 510-549-0767

We pay CASH for COINS! Sell those coins now and do something fun with the money. 925-455-0847

Looking for a used Glider for patio. Seats two people. No longer than 4 feet. Perfer metal, with or without padding. 510-537-7222

Dirt Bike 100/125cc dirt bike. Thank you. 209-835-1829

Due to space limitations, *Newsline* may withhold ads that have already run. They will still appear on the Web.

# Introducing T.H.E. Lab's new office products vendor

*Editor's note: This is the second in a series of updates about the Laboratory Integrated Network for Contracts and Supply (LINCS) project from Procurement and Materiel.*



On Thursday, May 6, Procurement & Materiel (P&M) will bring on a new office products supplier, T.H.E. Office City. This is an established supplier with a large customer base and a full line of office products and very competitive pricing.

P&M has evaluated T.H.E. Office City's past performance and spoken with current customers. This small business selection will further support the University's socio-economic subcontracting goals under Contract 48. P&M will also shift the purchase of office products from Material Request to the Electronic Ordering System (EOS) on May 6.

New catalogs were distributed to Technical Release Representatives at the April 14 TRR meeting. The main catalog contains more than 8,000

items authorized for purchase at LLNL. (Some items, e.g., computers, are in the main catalog but may not be purchased through T.H.E. Office City.) Working with LLNL's ergonomic staff, T.H.E. Office City also developed a special catalog of preferred ergonomic products. This catalog will be used by ergonomic evaluators in the field to help employees select products to solve ergonomic problems.

There will be a catalog kickoff session from 9 to 10:30 a.m. in the South Cafe on May 6. Catalogs will be available for distribution. Representatives from T.H.E. Office City and a few major manufacturers will display a variety of office products and answer questions.

P&M is continuing the development of the Laboratory Integrated Network for Contracts and Supply (LINCS), to replace the existing PARIS, TOPS, and other legacy systems. This new catalog is a further expansion of the capability and reach of the LINCS Electronic Ordering System (EOS).

EOS is an e-commerce application that supports online catalog shopping carts, checkout features, electronic approvals and notifications, advanced search capabilities and electronic transmission of orders to suppliers.

Since Feb. 25, TRRs have been able to shop the EOS catalogs and place orders with EOS suppliers. As noted in previous *Newsline* articles, P&M is converting its material request system to EOS, one catalog at a time. The Oakland Valve, Newark InOne, Allied Electronics, VWR, and LLNL Stores Material Request catalogs have been converted to EOS catalogs. We also have EOS catalogs with Grainger and Cal Steam. The EOS catalog for electrical supplies is in final preparation. All TRRs have access to these EOS catalogs. By the end of May, P&M will have replaced all material request catalogs with EOS catalogs.

P&M encourages all TRRs to become familiar with and begin using EOS. Contact P&M Customer Support at 3-3448 or [pcs@llnl.gov](mailto:pcs@llnl.gov) for further information.

## BRIEFLY

### Recharge your battery recycling program

The Plant Engineering Battery Shop would like to thank those employees participating in the Battery Reclamation Program. Approximately 250 lbs of used alkaline batteries are received monthly through Laboratory mail, another 200-300 lbs are collected at various stations around the Lab.

Some 5,000-7,000 lbs of lead acid batteries used in Laboratory equipment are also recycled on a monthly basis. The Battery Shop offers many battery-related services, maintenance, installation and testing and is located in the southeast corner of Bldg. 404. Please visit or call 3-0352 for more information.

### Science on Saturday in Merced

The popular Laboratory Science on Saturday lecture series has hit the road and will offer its next Central Valley presentation this Saturday at Delhi High School in Merced.

"Biodefense: Detection to Protect the Nation," will be presented by UC Davis biomedical engineers Frank Chuang and Dora Gutierrez from 9:30-11:30 a.m. in the high school theater. They will talk about how infectious disease poses a more serious threat to humanity than nuclear war. Seating is limited and is available on a first come first serve basis. The lectures are hosted by Merced College and UC Merced.

For more information, check the Web at: <http://www.mccd.edu/mcti/sos/>

### Science summer camp

The Edward Teller Education Center (ETEC) and Laboratory are hosting "Science Adventure Institute at LLNL," (SAIL), an exciting new summer program for children of Lab and NNSA employees entering 7th and 8th grades. The program has a forensic science theme and is geared for students who have a keen interest in science and math.

The curriculum and activities are aligned to the California Science Standards and highlight Livermore's science and technology. Program activities will take place at ETEC near the Lab's East Gate. Two redundant SAIL sessions will be offered during the weeks of August 2 and 9, Monday through Friday, from 9 a.m. to 3 p.m. with optional adult-supervised care provided before and after normal program hours. Class size is limited to 20 children per session. U.S. citizenship is required.

The cost for the five-day program is \$250 per student, with an additional \$50 for the optional before-and-after program care. Enrollment began April 19 and is limited to one session only per child. Register online. For more information, call Linda Lucchetti in the Public Affairs Office, 2-5815.

## Spring training days for engineering group

Division Leader Hugh Watling designated a portion of this week as the Manufacturing and Materials Engineering Division's spring training days. During three days, employees were encouraged to catch up on mandated LTRAIN and IWS training. Employees who completed training were able to enter a drawing for one of three pairs of tickets to an A's or Giants baseball game. Lab employees Mike Prokosch and Lisa Maciel (right) attended the division's barbeque lunch, which was held Thursday on the patio outside of the division office. Employees were encouraged to wear baseball caps and/or jerseys.



JACQUELINE MCBRIDE/NEWSLINE



HYDROGEN

Continued from page 1

He said existing California power plants have enough capacity to maintain the state's electricity under normal conditions through 2009. However, if the state has a particularly warm year, that electricity will only last through 2006 when, at that point, there would be possible blackouts.

"We're not going to have a reliable system without emergency blackouts through 2009," Therkelsen said.

He also outlined the bleak outlook for gasoline as the supply continues to tighten and the price continues to increase. "You all know the situation when you go to the pumps," he said. "That's just going to get worse through the end of the decade."

Though the state has turned to natural gas as an alternative fuel source, it is a declining resource. Nationwide, Therkelsen said natural gas consumption is higher than natural gas production. "Natural gas supplies are dying," he said.

During an earlier presentation, Gene Berry of the Laboratory's Energy and Environment Directorate pointed out the unique advantages and challenges of using hydrogen as a fuel source for many forms of transportation including personal vehicles, aircraft, and big rigs.

Berry said hydrogen is a clean, carbonless fuel that produces zero emissions and is universal for all forms of transportation. In addition it is versatile because it can be produced from any energy source and is synergistic with the electrical grid.

"Like electricity, hydrogen is not an energy source," he said. "It takes more energy to

produce it before you can actually use it. Hydrogen is going to be expensive and that's a challenge."

Berry cautioned that "until fossil fuels cost more than renewable or nuclear energy, hydrogen is going to be more expensive than fossil fuels." He said it will take a change in consumer mindset and a limited supply of gasoline before hydrogen is viewed as a viable alternative fuel.

Berry also noted that other synthetic fuel alternatives take a lot of energy to produce as well and that "we are going to need vehicles far more efficient than today's."

Rajesh Paulose of ChevronTexaco outlined how his company is in the demonstration phase of selling hydrogen as an alternative fuel. He said a key component is to educate the public on the advantages of using hydrogen over gasoline. However, he did say that in order to change public opinion, it will require a change in the economics of gasoline consumption.

"We watch what's happening in the industry and ask ourselves 'how much is the public willing to pay,'" he said.

Other presenters at the conference outlined how fuel cells are and will be used in the future.

Ravi Upadhye, deputy materials program leader for Energy and Environment within the Chemistry and Materials Science Directorate, served as symposium chair.

"Our job is to educate our members on the pros and cons of hydrogen as an alternative fuel," he said.

The same day the conference was going on, Gov. Arnold Schwarzenegger announced that California will have a network of stations offering hydrogen up and down the state within six years. He said the plan, estimated to cost \$100 million, is viable but government needs to be a catalyst in making it happen.

Marathon man



COURTESY OF MOLLY FISHER

Den Fisher, associate director for Safety and Environmental Protection, ran the Boston Marathon Monday, completing the 40 kilometers in 4:04:16. Of the 600 senior men (ages 60-69) who started the race, Fisher finished 78th.

Public hearings set for site-wide environmental impact statement

Public hearings on the draft Site-wide Environmental Impact Statement for Continued Operation of Lawrence Livermore National Laboratory and Supplemental Stockpile Stewardship and Management Programmatic Environmental Impact Statement will be held next week in Livermore and Tracy.

The draft DOE/NNSA statement, which evaluates the environmental effects of the continued operation of the Laboratory, was made available for public comment in February. Public hearings will be held:

- Tuesday, April 27, at 1 p.m. and 6 p.m. Double Tree Club (formerly the Holiday Inn), 720 Las Flores Rd., Livermore, CA, (925) 443-4950.

- Wednesday, April 28, at 1 p.m. and 6:30 p.m. Holiday Inn Express, 3751 N. Tracy Blvd., Tracy, CA, (209) 830-8500.

- Friday, April 30, at 10 a.m. U. S. Department of Energy, Room 1E-245, 1000 Independence Ave, S. W., Washington, D.C.

The following Website may be accessed for additional information: [www-envirinfo.llnl.gov/](http://www-envirinfo.llnl.gov/). The Website has instructions on how to submit comments and request information. A toll-free number, 1-877-388-4930, has been established to receive public requests for information.

Comments on the draft LLNL SW/SPEIS will be received by:

E-mail: [tom.grim@oak.doe.gov](mailto:tom.grim@oak.doe.gov)  
Facsimile: 925-422-1776  
Oral statements will be transcribed at the public meetings.

Written comments sent to:  
Thomas Grim, document manager,  
U.S. Department of Energy  
National Nuclear Security Administration  
Livermore Site Office, L-293,  
7000 East Avenue,  
Livermore, CA 94550-9234  
Comments on the draft LLNL SW/SPEIS need to be sent or postmarked no later than May 27.

NAS magazine features 'Atoms for Peace'

The cover story in the spring edition of *Issues in Science and Technology*, published by The National Academies, features articles resulting from the Center for Global Security Research 2003 workshops "Atoms for Peace: Fifty Years Later."

The lead article was co-authored by Bob Schock, Eileen Vergino, Neil Joeck and Ron Lehman. Also included are articles by other CGSR workshop participants including former Lab Director Michael May, Tom Isaacs, John Taylor former vice president at the Electric Power Research Institute, Alan Walter at Pacific Northwest National Laboratory, and William Schneider Jr., the chair of the Defense Science Board.

CGSR conducted the series of workshops in the United States, France and Japan looking at the issues raised by President Dwight Eisenhower in his 1953 "Atoms for Peace" address to the United Nations' General Assembly and asking the question, "Where is nuclear technology headed". The workshops culminated in a November 2003 conference at the Laboratory with a keynote address by Eisenhower's granddaughter, Susan Eisenhower.



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